

FIG.2

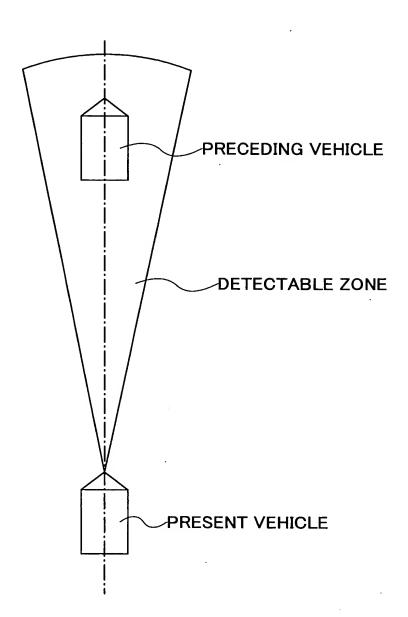
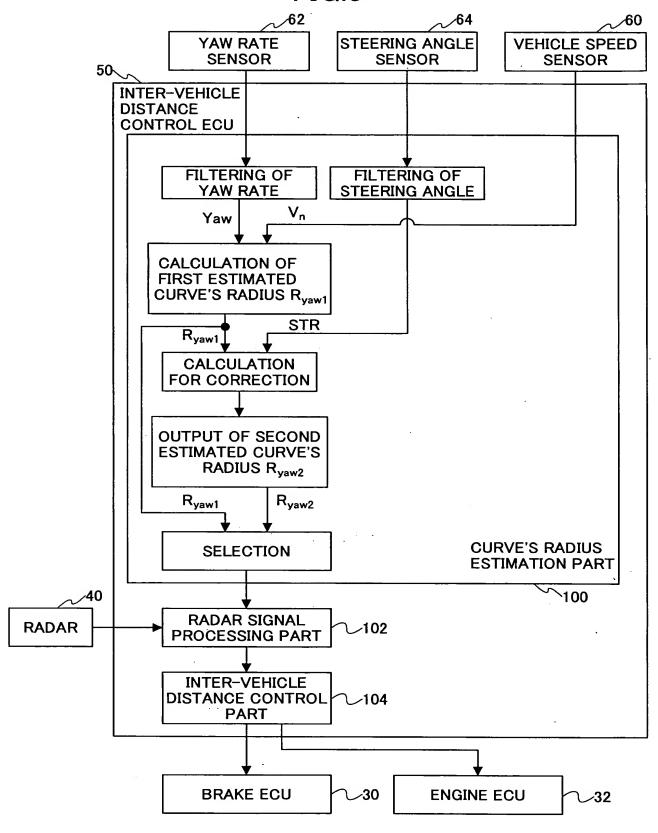


FIG.3



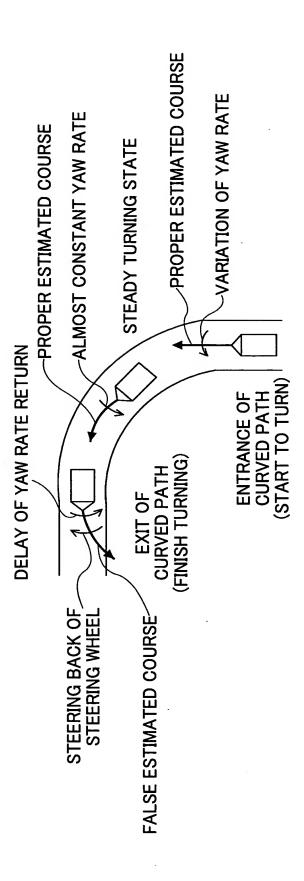
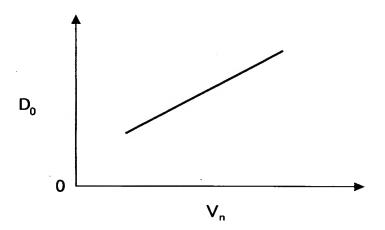


FIG.5 **START DETERMINE** S151~ TARGET DECELERATION GT **S152** NO PRECEDING VEHICLE IS EXISTING? **TYES** CALCULATE PRESENT LANE PROBABILITY PI THAT PRECEDING S153-VEHICLE IS ON THE SAME LANE WITH PRESENT VEHICLE ∕S154 NO  $P_i \ge P_{i0}$ ? **IYES CALCULATE DECELERATION** S155~ DEVIATION AG **S156** NO  $\Delta G \geq \Delta G_0$ ? **IYES** DETECT SPEED Vn OF S157~ PRESENT VEHICLE DETERMINE BRAKE CONTROL S158-ENABLING DISTANCE Do **DETECT** S159-INTER-VEHICLE DISTANCE D S160 NO  $D \leq D_0$ ? **IYES** S161~ **ENABLE BRAKE CONTROL** REQUEST BRAKE CONTROL S162-TO BRAKE ECU

FIG.6



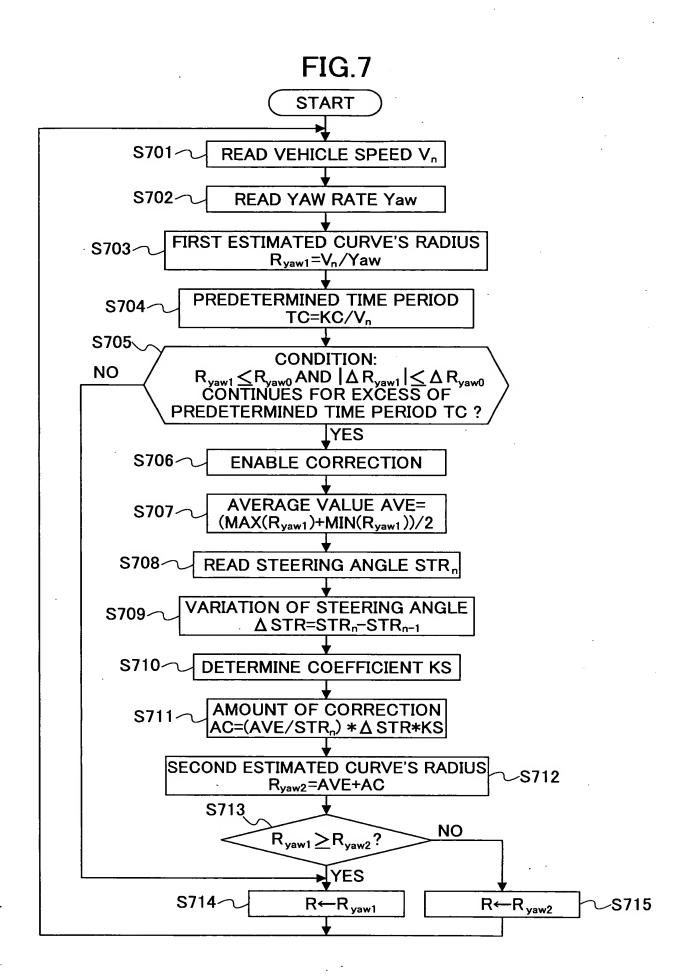


FIG.8

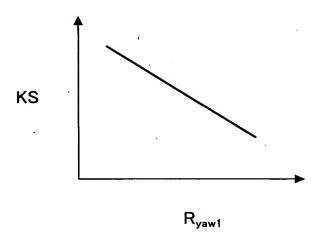
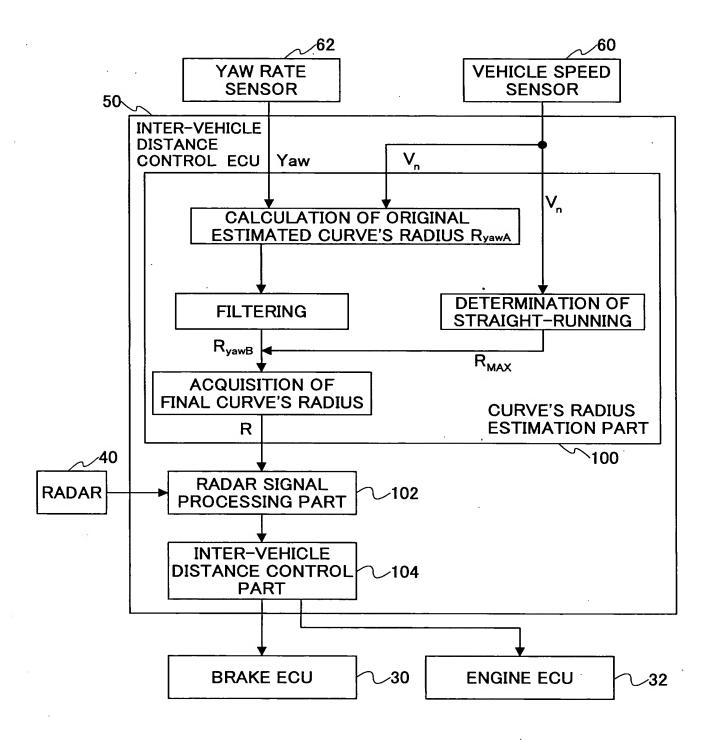


FIG.9



**FIG.10** 

